

Title (en)
Hall heating with calorific technology

Title (de)
Deckenhallenheizsystem mit Brennwerttechnik

Title (fr)
Système de chauffage de salle avec technique de valeur de combustion

Publication
EP 2551603 B1 20190828 (DE)

Application
EP 12172311 A 20120615

Priority
DE 102011052267 A 20110728

Abstract (en)
[origin: EP2551603A2] The directly heated air heater has a combustion chamber (40) for burning fuel to produce heat. A heat exchanger is provided for transferring heat from the combustion chamber and exhaust gases, generated in combustion chamber. The hot air channel is divided into a sub-region, such that partially heated air channels (114,115) are provided for guiding hot air proportions under different temperatures. The hot air channel is formed for feeding heating air portion at a lower temperature, and meets an end of the exhaust pipe to cool the exhaust gas temperature below the condensation temperature.

IPC 8 full level
F24D 5/04 (2006.01); **F24H 3/08** (2006.01); **F24H 8/00** (2006.01)

CPC (source: EP)
F24D 5/04 (2013.01); **F24H 3/087** (2013.01); **F24H 8/00** (2013.01); **Y02B 30/00** (2013.01)

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